Amendments to the Claims

This list of claims will replace all prior versions and listings of claims in this application.

Claims 1. – 16. (Cancelled)

17. (Previously Presented)

A boring head (100), comprising:

a housing (110);

at least one guide element (140) arranged on a periphery of the housing;

at least one cutting insert (150) arranged on the housing;

cassettes (200, 205) radially displaceable in grooves in a face of the boring head, the guide element (140) and the cutting insert (150) being carried by the cassettes;

a single adjustment means (400; 410; 460; 470) for adjusting and aligning a length of projection of both the guide element (140) and the cutting insert (150) beyond the periphery of the housing (110), the adjustment means being adjacent to sides of the cassettes (200, 205) facing away from the guide element (140) and the cutting insert (150), the adjustment means having a peripheral shape adapted to a desired radial distance of the cassettes (200, 205) from an axis of symmetry of the boring head (100) so that the projection lengths of the guide element (140) and the cutting insert (150) are simultaneously adjusted and aligned as the adjustment means (400; 410; 460; 470) is mounted on the boring head (100).

18. (Previously Presented)

The boring head is defined in Claim 17 wherein the adjustment means (400; 410; 460; 470) is mountable on the face of the boring head (100).

19. (Previously Presented)

The boring head as defined in Claim 17 wherein the adjustment means is arranged centrally to the axis of the boring head.

20. (Previously Presented)

The boring head as defined in Claim 19, wherein the adjustment means is arranged substantially eoncentrically to the axis of the boring head.

21. (Previously Presented)

The boring head as defined in Claim 17, wherein the adjustment means is arranged eccentrically to the axis of the boring head.

22. (Previously Presented)

The boring head as defined in Claim 17, wherein the surface defining the outer periphery of the adjustment means has a desired, including a non-symmetrieal, shape.

23. (Previously Presented)

The boring head as defined in Claim 17, wherein the adjustment means is cylindrical in the axial direction.

24. (Previously Presented)

The boring head as defined in Claim 17, wherein the adjustment means is disk-shaped.

25. (Previously Presented)

The boring head as defined in Claim 24, wherein the adjustment means has the shape of a circular disk (460, 470).

26. (Previously Presented)

The boring head as defined in Claim 17, wherein the adjustment means has an annular shape.

27. (Previously Presented)

The boring head as defined in Claim 26, wherein the adjustment means is shaped as a circular ring (400, 410).

28. (Cancelled)

29. (Cancelled)

30. (Previously Presented)

The boring head as defined in Claim 17, and further comprising detachable mounting elements for fixing the cassettes (200, 205) after adjustment and alignment.

31. (Previously Presented)

The boring head as defined in claim 30, wherein the mounting elements are screws.

32. (Previously Presented)

The boring head as defined in claim 17, wherein the cassette (205) carrying at least one cutting insert (150) comprises a chip removal channel (230) which is connected with a further chip removal channel (117) provided in an interior of the boring head (100) in both a non-displaced and a displaced condition of the cassette (205).

33. (Previously Presented)

The boring head as defined in claim 17, wherein damping strips (300, 330) are arranged on the periphery of the boring head (100) and have a radial extension beyond the periphery of the boring head housing (110) that is adapted to the projection length of the guide element and the projection length of the cutting insert (150) beyond the periphery of the boring head housing (110).

34. (Previously Presented)

The boring head as defined in claim 17, wherein the boring head (100) is provided on its end face with a cover arranged to at least partially cover the adjustment means (400; 410; 460; 470) and the cassettes (200, 205).